

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A method for receiving a CDMA signal, comprising an operation of correlation with appropriate pseudo-random sequences, an operation of synchronization for locating data in the correlation signal obtained, and an operation of retrieving data, this method ~~being characterized in that~~ further comprising:

the synchronization operation ~~implements~~ comprising implementing double delayed multiplication of the sampled correlation signal by performing a first delayed multiplication ~~consisting in~~ comprising multiplying a sample of the correlation signal by the conjugate preceding sample (~~50, 52, 54~~), then implementing a second delayed multiplication ~~consisting in~~ comprising multiplying a sample of the signal thus obtained by the conjugate preceding sample of said signal obtained (~~60, 62, 64~~), wherein, the correlation signal is a complex signal with a real component  $I_k$  and an imaginary component  $Q_k$ , the signal obtained after the first delayed multiplication is in turn complex having a real component  $(DOT^{(1)}_k)$  and an imaginary component  $(CROSS^{(1)}_k)$ :

- wherein for performing the first delayed multiplication, the quantity  $I_k I_{k-1} + Q_k Q_{k-1}$  is calculated, supplying the real component  $(DOT^{(1)}_k)$  of the new signal, the quantity  $Q_k I_{k-1} - I_k Q_{k-1}$  is calculated, supplying the component  $(CROSS^{(1)}_k)$  of the new signal, and

- wherein for performing the second delayed multiplication, the quantity  $(DOT^{(1)}_k)$   $(DOT^{(1)}_{k-1}) + (CROSS^{(1)}_k) (CROSS^{(1)}_{k-1})$  is calculated, giving the real component  $(DOT^{(2)}_k)$  of the final signal, and the quantity  $(DOT^{(1)}_{k-1}) (CROSS^{(1)}_k) - (DOT_k) (CROSS^{(1)}_{k-1})$  is calculated, giving the imaginary component  $(CROSS^{(2)}_k)$  of the final signal.

Claim 2 (Currently Amended): The method according to claim 1, wherein a maximum of the signal obtained through double delayed multiplication ~~(66, 68)~~ is searched for, and a synchronization signal (S) corresponding to said maximum is delivered.

Claim 3 (Original): The method according to claim 2, wherein an average is calculated of two successive maximum values obtained before the synchronization signal is generated.

Claim 4 (Cancelled).

Claim 5 (Currently Amended): A CDMA signal receiver for implementing the method according to claim 1, this receiver comprising:

- correlation means ~~(10(I), 10(Q))~~ functioning with appropriate pseudo-random sequences, and delivering a sampled correlation signal,
- synchronization means (16) for delivering a synchronization signal (S) localizing data within the correlation signal,
- decoding means (16) for retrieving the data ~~(D)~~, ~~this receiver being characterized in that~~

the synchronization means ~~[[is]]~~ comprising a double delayed multiplication means of the sampled correlation signal comprising means ~~(50, 52, 54), (60, 62, 64)~~ capable of performing a first delayed multiplication ~~consisting in~~ comprising multiplying a sample of the correlation signal by the conjugate preceding sample, then a second delayed multiplication ~~consisting in~~ comprising multiplying a sample of the signal thus obtained by the conjugate preceding sample of said signal obtained.